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L20: Entry 1 of 2

File: DWPI

Sep 8, 1995

DERWENT-ACC-NO: 1995-313111
DERWENT-WEEK: 199541
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TITLE: Non-cemented cotylar cup for hip joint replacement prosthesis - comprises hollow hemispherical shell divided into segments by slots and pierced at intervals, with laterally-expandible bone anchor pin

INVENTOR: GUERAN, P

PATENT-ASSIGNEE:

ASSIGNEE
T DEUX C

CODE
TDEUN

PRIORITY-DATA: 1994FR-0002321 (March 1, 1994)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
FR 2716796 A1	September 8, 1995		013	A61F002/34

APPLICATION-DATA:

PUB-NO	APPL-DATE	APPL-NO	DESCRIPTOR
FR 2716796A1	March 1, 1994	1994FR-0002321	

INT-CL (IPC): A61 F 2/34

ABSTRACTED-PUB-NO: FR 2716796A

BASIC-ABSTRACT:

A partially spherical cup (1) with a flat base is formed with peripheral slots (2), each of which terminates in a cylindrical opening (3). The slots define a series of segments (4) of the cup body, each pierced by a number of holes (5) at varying heights relative to the height of the cup.

The circular lower edge (1a) of the cup has a projecting surface (7) consisting of diamond-shaped projections separated by valleys. The top of the cup has a large-diameter hole (10). At least one extensible pin (6) is located tangentially on an external surface of the cup, housing a screw (15) which deforms the pin laterally outwardly as it is tightened.

ADVANTAGE - Secure embedding into bone without cement, with improved flexibility of engagement under load.

CHOSEN-DRAWING: Dwg.1/7

TITLE-TERMS: NON CEMENTED CUP HIP JOINT REPLACE PROSTHESIS COMPRISE HOLLOW
HEMISPHERICAL SHELL DIVIDE SEGMENT SLOT PIERCE INTERVAL LATERAL EXPAND BONE ANCHOR PIN

DERWENT-CLASS: P32

SECONDARY-ACC-NO:

Non-CPI Secondary Accession Numbers: N1995-236641

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L2: Entry 1 of 6

File: DWPI

Oct 30, 1994

DERWENT-ACC-NO: 1995-192149
DERWENT-WEEK: 199525
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TITLE: Cotyloid cavity endoprosthesis - comprise metal cup with outer and inner projections with sharpened edges to hold it in cotyloid cavity and retain insert

INVENTOR: ADYASOV YU, P; DENISENKO, A V ; KUKOSH, N V

PATENT-ASSIGNEE:

ASSIGNEE

NIZHEGOROD TREUMATOLOGY ORTHOPAEDICS

NIZHNEGOROD POLY

CODE

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PRIORITY-DATA: 1991SU-4952488 (June 28, 1991)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
RU 2021786 C1	October 30, 1994		005	A61F002/34

APPLICATION-DATA:

PUB-NO	APPL-DATE	APPL-NO	DESCRIPTOR
RU 2021786C1	June 28, 1991	1991SU-4952488	

INT-CL (IPC): A61F 2/34

ABSTRACTED-PUB-NO: RU 2021786C

BASIC-ABSTRACT:

The endoprosthesis consists of a metal cup (1) with fixings in the form of outer surface projections (4) round the side fo the cup, which is designed to receive an insert of a polymer material with a thrust surface. The outer projections have cutting edges which face towards the edge of the cup, the base of which has apertures (6).

The sides of the cup are cylindrical and have inner projections (5) with cutting edges. The insert has holes (7) bores through it which lie tangentially to its inner surface and link with the apertures (6) in the cup base.

The outer and inner projections with cutting edges ensure that the cup is retained reliably in the cotyloid cavity, and the insert is retained in the cup.

ADVANTAGE - More reliable retention with less trauma. Bul.20/30.10.94

CHOSEN-DRAWING: Dwg.2/4

TITLE-TERMS: COTYLOID CAVITY ENDOPROSTHESIS COMPRISE METAL CUP OUTER INNER PROJECT SHARP EDGE HOLD COTYLOID CAVITY RETAIN INSERT

DERWENT-CLASS: P32

SECONDARY-ACC-NO:

Non-CPI Secondary Accession Numbers: N1995-150780

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L12: Entry 1 of 3

File: DWPI

Dec 23, 1994

DERWENT-ACC-NO: 1995-038918
DERWENT-WEEK: 199506
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TITLE: Socket construction for ball joint of hip replacement prosthesis - comprises hollow cup with hemispherical internal cavity, including annular crown retaining spherical head of cooperating femoral component

INVENTOR: HERVE, J

PATENT-ASSIGNEE:

ASSIGNEE

CODE

IMPLANT REDUCTION EURL

IMPLN

PRIORITY-DATA: 1993FR-0007299 (June 17, 1993)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
FR 2706285 A1	December 23, 1994		010	A61F002/34

APPLICATION-DATA:

PUB-NO	APPL-DATE	APPL-NO	DESCRIPTOR
FR 2706285A1	June 17, 1993	1993FR-0007299	

INT-CL (IPC): A61F 2/34

ABSTRACTED-PUB-NO: FR 2706285A

BASIC-ABSTRACT:

The socket consists of a hollow cotyloidal cup (1) with a hemispherical recess into which fits a spherical femoral head (11) of the same diameter. The cup includes a circular embossed rim portion (17) including an inwardly-facing peripheral groove (19).

The groove receives a key stop (21) consisting of a sliding crown component with a central aperture. The radius of the crown aperture is less than that of the spherical femoral head, and the inner edge of the crown may be curved to form a continuation of the internal hemispherical recess configuration of the cup.

ADVANTAGE - Avoids play between joint components and reduces wear.

CHOSEN-DRAWING: Dwg.1,2/6

TITLE-TERMS: SOCKET CONSTRUCTION BALL JOINT HIP REPLACE PROSTHESIS COMPRISE HOLLOW CUP
HEMISPHERICAL INTERNAL CAVITY ANNULAR CROWN RETAIN SPHERE HEAD COOPERATE FEMORAL
COMPONENT

DERWENT-CLASS: P32

SECONDARY-ACC-NO:

Non-CPI Secondary Accession Numbers: N1995-030818